

Contents

Abstracted/Indexed in/Cited in: API Abstracts; Chemical Engineering and Biotechnology Abstracts; Catalysts & Catalysis; Chem Inform; Chemical Abstracts; Current Contents: Engineering; Current Contents: Engineering Index; Current Contents: Physical, Chemical & Earth Sciences; Engineering, Technology & Applied Sciences; Metals Abstracts; Research Alert; SCISEARCH; Science Citation Index; Theoretical Chemical Engineering Abstracts. Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®

Surface fluorination of single-phase TiO ₂ by thermal shock method for enhanced UV and visible light induced photocatalytic activity T.K. Le, D. Flahaut, H. Martinez, T. Pigot, H.K.H. Nguyen and T.K.X. Huynh (Viet Nam, France)	1
Control of the visible and UV light water splitting and photocatalysis of nitrogen doped TiO ₂ thin films deposited by reactive magnetron sputtering H. Fakhouri, J. Pulpytel, W. Smith, A. Zolfaghari, H.R. Mortaheb, F. Meshkini, R. Jafari, E. Sutter and F. Arefi-Khonsari (France, Iran)	12
Selective dehydration of glucose to 5-hydroxymethylfurfural on acidic mesoporous tantalum phosphate I. Jiménez-Morales, A. Teckchandani-Ortiz, J. Santamaría-González, P. Maireles-Torres and A. Jiménez-López (Spain)	22
Preparation of Cu-doped ZnS QDs/TiO ₂ nanocomposites with high photocatalytic activity H. Labiadh, T.B. Chaabane, L. Balan, N. Becheik, S. Corbel, G. Medjahdi and R. Schneider (Tunisia, France)	29
Nanocomposite of attapulgite–Ag ₃ PO ₄ for Orange II photodegradation J. Ma, J. Zou, L. Li, C. Yao, Y. Kong, B. Cui, R. Zhu and D. Li (China)	36
Photocatalytic hydrogen production from glycerol and water with NiO _x /TiO ₂ catalysts R. Liu, H. Yoshida, Si. Fujita and M. Arai (Japan)	41
Aldol-condensation of furfural by activated dolomite catalyst R.E. O'Neill, L. Vanoye, C. De Bellefon and F. Aiouache (Ireland, France, UK)	46
Single-step sensitization of reduced graphene oxide sheets and CdS nanoparticles on ZnO nanorods as visible-light photocatalysts R.C. Pawar and C.S. Lee (South Korea)	57
Understanding the influence of Ni, Co, Rh and Pd addition to PtSn/C catalyst for the oxidation of ethanol by in situ Fourier transform infrared spectroscopy S. Beyhan, JM. Léger and F. Kadırgan (Turkey, France)	66
Enhanced photoinduced stability and photocatalytic activity of AgBr photocatalyst by surface modification of Fe(III) cocatalyst H. Yu, L. Xu, P. Wang, X. Wang and J. Yu (People's Republic of China)	75
Highly photocatalytic performance of flexible 3 dimensional (3D) ZnO nanocomposite H.U. Lee, S.Y. Park, S.C. Lee, J.H. Seo, B. Son, H. Kim, H.J. Yun, G.W. Lee, S.M. Lee, B. Nam, J.W. Lee, Y.S. Huh, C. Jeon, H.J. Kim and J. Lee (Republic of Korea)	83
Promoting effect of MoO_3 on the NO_x reduction by NH_3 over CeO_2/TiO_2 catalyst studied with in situ DRIFTS Z. Liu, S. Zhang, J. Li and L. Ma (China)	90
Enhanced activity and reusability of TiO ₂ loaded magnetic activated carbon for solar photocatalytic ozonation D.H. Quiñones, A. Rey, P.M. Álvarez, F.J. Beltrán and P.K. Plucinski (Spain, UK)	96
Electrochemical oxidation of dichlorvos on SnO_2 — Sb_2O_5 electrodes R. Vargas, S. Díaz, L. Viele, O. Núñez, C. Borrás, J. Mostany and B.R. Scharifker (Venezuela)	107
Highly active and stable Pt electrocatalysts promoted by antimony-doped SnO ₂ supports for oxygen reduction reactions M. Yin, J. Xi, Q. Li, J. O. Jensen, Y. Huang, J. N. Cleemann, N. J. Bierrum and W. Xing (Denmark, PB China)	112

(Contents continued on bm I)

ScienceDirect

Full text of this journal is available, on-line from ScienceDirect. Visit www.sciencedirect.com



0926-3373(201401)114;1-